The Journal of Infectious Diseases

Volume 157 • *January 1988* • *Number 1*

CONTENTS

AIDS Commentary

Toxoplasmic Encephalitis — Benjamin J. Luft and Jack S. Remington — 1

Original Articles

Western Blot Analysis of the Antibody Response of Patients with AIDS and Toxoplasma Encephalitis: Antigenic Diversity Among *Toxoplasma* Strains — Louis M. Weiss, Stephen A. Udem, Herbert Tanowitz, and Murray Wittner — 7

In Vitro Assessment of Antimicrobial Agents Against *Toxoplasma gondii* — Carol Harris, Miklos P. Salgo, Herbert B. Tanowitz, and Murray Wittner — 14

Use of an Enzyme-Linked Immunosorbent Assay and of Inhibition Studies to Distinguish Between Antibodies to Cardiolipin From Patients with Syphilis or Autoimmune Disorders — E. Nigel Harris, Azzudin E. Gharavi, G. D. Wasley, and Graham R. V. Hughes — 23

Specificity of Antibodies from Patients with Pinta for Antigens of *Treponema pallidum* Subspecies *pallidum* — Melinda J. Fohn, F. Stephen Wignall, Sharon A. Baker-Zander, and Sheila A. Lukehart — 32

An iC3b Receptor on *Candida albicans:* Structure, Function, and Correlates for Pathogenicity — Bradford J. Gilmore, Elena M. Retsinas, James S. Lorenz, and Margaret K. Hostetter — 38

Functional Activities of Monoclonal Antibodies to the O Side Chain of *Escherichia coli* Lipopolysaccharides in Vitro and in Vivo — Kwang Sik Kim, Jane H. Kang, Alan S. Cross, Bennett Kaufman, Wendell Zollinger, and Jerald Sadoff — 47

Failure of Antisera to J5 and R595 Rough Mutants to Reduce Endotoxemic Lethality — Sheldon E. Greisman and Curtis A. Johnston — 54

Localization of Urinary Tract Infection in Elderly, Institutionalized Women with Asymptomatic Bacteriuria — L. E. Nicolle, P. Muir, G. K. M. Harding, and M. Norris — 65

Characteristics of Adherence to Plastic Tissue Culture Plates of Coagulase-Negative Staphylococci Exposed to Subinhibitory Concentrations of Antimicrobial Agents — Karl H. Schadow, W. Andrew Simpson, and Gordon D. Christensen — 71

Oral Immunization with Live, Avirulent *fla*$^+$ Strains of *Salmonella* Protects Mice Against Subsequent Oral Challenge with *Salmonella typhimurium* — Jim Hackett, Stephen Attridge, and Derrick Rowley — 78

Complement-Mediated Early Clearance of *Haemophilus influenzae* Type b from Blood is Independent of Serum Lytic Activity — Gary J. Noel, Steven Katz, and Paul J. Edelson — 85

Lung Antibacterial Defense Mechanisms in Infant and Adult Rats: Implications for the Pathogenesis of Group B Streptococcal Infections in the Neonatal Lung — Thomas R. Martin, Craig E. Rubens, and Christopher B. Wilson — 91

Characterization of *Citrobacter diversus* Strains Causing Neonatal Meningitis	Mark W. Kline, Edward O. Mason, Jr., and Sheldon L. Kaplan	101
Pathogenesis of Brain Abscess Formation in an Infant Rat Model of *Citrobacter diversus* Bacteremia and Meningitis	Mark W. Kline, Sheldon L. Kaplan, Edith P. Hawkins, and Edward O. Mason, Jr.	106
Intraamniotic Infection in Low-Birth-Weight Infants	Rhoda S. Sperling, Edward Newton, and Ronald S. Gibbs	113
Human Monoclonal Antibody with Protective Activity for *Escherichia coli* K1 and *Neisseria meningitidis* Group B Infections	Howard V. Raff, Deirdre Devereux, Walter Shuford, Debbie Abbott-Brown, and Grace Maloney	118
Role of Interferon in Leukocyte Histamine Release Caused by Common Respiratory Viruses	Tasnee Chonmaitree, Michael A. Lett-Brown, Yi Tsong, Armond S. Goldman, and Samuel Baron	127
Kinins are Generated During Experimental Rhinovirus Colds	Robert M. Naclerio, David Proud, Lawrence M. Lichtenstein, Anne Kagey-Sobotka, J. Owen Hendley, James Sorrentino, and Jack M. Gwaltney	133
Respiratory Syncytial Virus Epidemics: Variable Dominance of Subgoups A and B Strains Among Children, 1981–1986	Maurice A. Mufson, Robert B. Belshe, Claes Örvell, and Erling Norrby	143
Reliable Detection of Individuals Seropositive for the Human Immunodeficiency Virus (HIV) by Competitive Immunoassays Using *Escherichia coli*-Expressed HIV Structural Proteins	G. J. Dawson, J. S. Heller, C. A. Wood, R. A. Gutierrez, J. S. Webber, J. C. Hunt, S. A. Hojvat, D. Senn, S. G. Devare, and R. H. Decker	149
Herpes Simplex Virus Glycoprotein Treatment of Recurrent Genital Herpes	Lawrence R. Stanberry, Rae Lyn Burke, and Martin G. Myers	156
Type-Specific Antibodies to Herpes Simplex Virus Type 2 (HSV-2) Glycoprotein G in Pregnant Women, Infants Exposed to Maternal HSV-2 Infection at Delivery, and Infants with Neonatal Herpes	Wayne M. Sullender, Linda L. Yasukawa, Michelle Schwartz, Lenore Pereira, Paul A. Hensleigh, Charles G. Prober, and Ann M. Arvin	164
Factors Predictive of Cytomegalovirus Immune Status in Pregnant Women	Bethann F. Walmus, Martha D. Yow, Jerry W. Lester, Leroy Leeds, Peter K. Thompson, and Rell M. Woodward	172

Concise Clinical and Laboratory Communications

Fluconazole Penetration into Cerebrospinal Fluid: Implications for Treating Fungal Infections of the Central Nervous System	Carola A. S. Arndt, Thomas J. Walsh, Cynthia Lester McCully, Frank M. Balis, Philip A. Pizzo, and David G. Poplack	178
Case-to-Case Intervals of Rhinovirus and Influenza Virus Infections in Households	Hjordis M. Foy, Marion K. Cooney, Carrie Hall, Judith Malmgren, and John P. Fox	180
Chronic Group A Coxsackievirus Infection in Agammaglobulinemia: Demonstration of Genomic Variation of Serotypically Identical Isolates Persistently Excreted by the Same Patient	Kathleen M. O'Neil, Mark A. Pallansch, Jerry A. Winkelstein, Thomas M. Lock, and John F. Modlin	183
Ganciclovir for Treatment of Renal Transplant-Associated Primary Cytomegalovirus Pneumonia	David W. Hecht, David R. Snydman, Clyde S. Crumpacker, Barbara G. Werner, Beverly Heinze-Lacey, and the Boston Renal Transplant CMV Study Group	187

Demonstration of Hepatitis D Virus RNA in Patients with Chronic Hepatitis	R. Rasshofer, M. Buti, R. Esteban, R. Jardi, and M. Roggendorf	191
Escherichia coli Urethritis in Women with Symptoms of Acute Urinary Tract Infection	Stephan D. Fihn, Carolyn Johnson, and Walter E. Stamm	196
Bacteriuria in Women with Long-Term Catheters: Paired Comparison of Indwelling and Replacement Catheters	James H. Tenney and John W. Warren	199
Correspondence		
Human Immunodeficiency Virus in Glial Cells?	Herbert Budka and Hans Lassmann	203
Human Immunodeficiency Virus in Glial Cells, Continued	Leroy R. Sharer and John W. Prineas	204
Human Immunodeficiency Virus in Glial Cells: Reply	Ferenc Gyorkey, Joseph L. Melnick, and Phyllis Gyorkey	205
Simultaneous Infection with the Human Immunodeficiency Virus and HTLV-1 in a Patient with AIDS	Klaus von der Helm, Dorothea von der Helm, and Friedrich Deinhardt	205
Delayed Male-to-Female Transmission of Human Immunodeficiency Virus, with a False-Positive, Rapid Heterophil Test	Richard E. Dubois	208
Severe, Progressive Herpetic Whitlow Caused by an Acyclovir-Resistant Virus in a Patient with AIDS	Steven A. Norris, Harold A. Kessler, and Kenneth H. Fife	209
Rapid Enzyme-Linked Immunosorbant Assay for Detecting Antibody to Varicella-Zoster Virus	Gail J. Demmler, Sharon P. Steinberg, Gary Blum, and Anne A. Gershon	211
Use of the Chitin-Synthesis Inhibitor Nikkomycin to Treat Disseminated Candidiasis in Mice	Jeffrey M. Becker, Stevan Marcus, John Tullock, David Miller, Eduardo Krainer, R. K. Khare, and Fred Naider	212
Reply: Recurrent Broviac Catheter Infections	Michael D. Decker and Philip R. Johnson	214
Staphylococcus saprophyticus Bacteremia	Clayton L. Golledge	215
Infection with Vancomycin-Resistant "Streptococci" Due to *Leuconostoc* Species	Lorry G. Rubin, Ernestine Vellozzi, Judith Shapiro, and Henry D. Isenberg	216
Production and Partial Characterization of Pili on Non-O1 *Vibrio cholerae*	Takeshi Honda, Kesara Kasemsuksakul, Tomiaki Oguchi, Mitsuo Kohda, and Toshio Miwatani	217
Immunoperoxidase Slide Test for Detecting Antibodies to *Borrelia burgdorferi*	J. Schmidli, T. Hunziker, and H. Gerber	218
Notices		220
Statement of Editorial Policy		221
Instructions to Authors		221

The Journal of Infectious Diseases

Volume 157 • *February 1988* • *Number 2*

CONTENTS

AIDS Commentary

Cryptosporidium and *Isospora belli* Infections — Rosemary Soave and Warren D. Johnson, Jr. — 225

Original Articles

Epidemics of Pneumonia Caused by TWAR, a New *Chlamydia* Organism, in Military Trainees in Finland — M. Kleemola, P. Saikku, R. Visakorpi, S. P. Wang, and J. T. Grayston — 230

Haemophilus influenzae Type b Lipooligosaccharide Induces Meningeal Inflammation — George A. Syrogiannopoulos, Eric J. Hansen, Alice L. Erwin, Robert S. Munford, Joe Rutledge, Joan S. Reisch, and George H. McCracken, Jr. — 237

The Contribution of Pneumococcal Cell Wall to the Pathogenesis of Experimental Otitis Media — Mary Lou Ripley-Petzoldt, G. Scott Giebink, S. K. Juhn, Dorothee Aeppli, Alexander Tomasz, and Elaine Tuomanen — 245

Nasopharyngeal Carriage of Antibiotic-Resistant Pneumococci by Children in Group Day Care — Frederick W. Henderson, Peter H. Gilligan, Kimberly Wait, and David A. Goff — 256

MR/K Hemagglutination of *Providencia stuartii* Correlates with Adherence to Catheters and with Persistence in Catheter-Associated Bacteriuria — Harry L. T. Mobley, Gwynn R. Chippendale, James H. Tenney, Andrew R. Mayrer, Lesley J. Crisp, John L. Penner, and John W. Warren — 264

Lethal Effects and Cardiovascular Effects of Purified α- and θ-Toxins from *Clostridium perfringens* — Dennis L. Stevens, Brett E. Troyer, Daniel T. Merrick, Joanne E. Mitten, and Richard D. Olson — 272

A Broad-Spectrum Probe for Molecular Epidemiology of Bacteria: Ribosomal RNA — Terrence L. Stull, John J. LiPuma, and Thomas D. Edlind — 280

In Vivo Postantibiotic Effect in a Thigh Infection in Neutropenic Mice — B. Vogelman, S. Gudmundsson, J. Turnidge, J. Leggett, and W. A. Craig — 287

Fragment Length Polymorphisms Among Independent Isolates of Epstein-Barr Virus from Immunocompromised and Normal Hosts — Ben Z. Katz, James C. Niederman, Betty A. Olson, and George Miller — 299

Acyclovir Prevents Dissemination of Varicella in Immunocompromised Children — G. Nyerges, Z. Meszner, E. Gyarmati, and S. Kempel-Fronius — 309

Herpes Zoster in African Patients: A Clinical Predictor of Human Immunodeficiency Virus Infection — Robert Colebunders, Jonathan M. Mann, Henry Francis, Kapita Bila, Lebughe Izaley, Mbengo Ilwaya, Ndangi Kakonde, Thomas C. Quinn, James W. Curran, and Peter Piot — 314

Immunoblot Analysis of the Humoral Immune Response in Primary Cytomegalovirus Infection	Deborah Gold, Rhoda Ashby, H. Hunter Handsfield, Michael Verdon, Laurie Leach, John Mills, Lawrence Drew, and Lawrence Corey	319
Aerosol Administration of Antiviral Agents to Treat Lung Infection Due to Murine Cytomegalovirus	Robert J. Debs, A. Bruce Montgomery, Elisa N. Brunette, Michael DeBrain, and John D. Shanley	327
Hepatitis B Vaccines in Patients with Chronic Renal Failure Before Dialysis	Barbara Seaworth, Joan Drucker, James Starling, Robert Drucker, Cladd Stevens, and John Hamilton	332
Studies of Prototype Live Hepatitis A Virus Vaccines in Primate Models	R. A. Karron, R. Daemer, J. Ticehurst, E. D'Hondt, H. Popper, K. Mihalik, J. Phillips, S. Feinstone, and R. H. Purcell	338
Rhinovirus Infection of Human Embryonic Lung Fibroblasts Induces the Production of a Chemoattractant for Polymorphonuclear Leukocytes	Ronald B. Turner	346
Epidemiological Aspects of a St. Louis Encephalitis Outbreak in Harris County, Texas, 1986	T. F. Tsai, M. A. Canfield, C. M. Reed, V. L. Flannery, K. H. Sullivan, G. R. Reeve, R. E. Bailey, and J. D. Poland	351
Occurrence of Rotaviruses in Guangzhou and Hong Kong	John S. Tam, Zheng Bojian, Yan Yongkai, Simon K. Lo, Chap Yung Yeung, Mona Lo, and Mun Hon Ng	357
Concise Laboratory and Clinical Communications		
Characterization of the Regulation of Complement-Derived Chemotactic Factors in Blunt Trauma	Eufronio G. Maderazo, Michael Moore, and Charles L. Woronick	364
Incidence and Microbiological Etiology of Middle Ear Effusion Complicating Endotracheal Intubation and Mechanical Ventilation	D. Lucks, A. Consiglio, J. Stankiewicz, and P. O'Keefe	368
Salmonellosis in Nurses: Lack of Transmission to Patients	Robert V. Tauxe, Lorraine F. Hassan, Kurt O. Findeisen, Robert G. Sharrar, and Paul A. Blake	370
Five-Year Immunologic Memory in Swedish Volunteers After Oral Cholera Vaccination	Marianne Jertborn, Ann-Mari Svennerholm, and Jan Holmgren	374
Microbiology of Non-Puerperal Breast Abscesses	Itzhak Brook	377
Hemorrhagic Complications and Other Clinical Findings in Nephropathia Epidemica in Sweden: A Study of 355 Serologically Verified Cases	Bo Settergren, Per Juto, Birger Trollfors, Göran Wadell, and S. Ragnar Norrby	380
Seropositivity in Liver Transplant Recipients as a Predictor of Cytomegalovirus Disease	Amy S. Fox, Mark D. Tolpin, Alfred L. Baker, Christoph E. Broelsch, Peter F. Whittington, Timothy Jackson, J. Richard Thistlethwaite, and Frank P. Stuart	383
Excessive Serum Concentrations of Acyclovir and Neurotoxicity	Sandor Feldman, John Rodman, and Beth Gregory	385
Correspondence		
Parenteral Therapy for Antibiotic-Associated Pseudomembranous Colitis	David I. Kleinfeld, Richard J. Sharpe, and Sam T. Donta	389

Infectious Diarrhea Due to *Clostridium perfringens*	H. Elliott Larson and S. Peter Borriello	390
Restriction Endonuclease Analysis of Viral DNA from a Patient with Bilateral Herpes Zoster Lesions	Michiko Takayama, Naohide Takayama, Kei Hachimori, and Mikio Minamitani	392
Rhodotorula rubra Peritonitis in a Child Undergoing Intermittent Cycling Peritoneal Dialysis	Victor Wong, Lawrence Ross, Lawrence Opas, and Ellin Lieberman	393
Changes in the Hair of Black Patients with AIDS	Tosca Kinchelow, Uwe Schmidt, and Steven Ingato	394
Clinical Response and Peak Concentrations of Aminoglycosides	Edward B. Rotheram, Jr.	395
Reply	Richard D. Moore, Paul S. Lietman, and Craig R. Smith	396
Intrinsic Methicillin Resistance and Phage Complex 94/96 of *Staphylococcus aureus*	Douglas S. Kernodle, Neil L. Barg, and Allen B. Kaiser	396
Reply	Daniel S. Berman, Sam Schaefler, Michael S. Simberkoff, and James J. Rahal	397
Notice		398

Volume 157 • *March 1988* • *Number 3*

CONTENTS

Tribute

Maxwell Finland, 1902–1987	Edward H. Kass	399

Annual Meeting Presentations

E Pluribus Unum	Calvin M. Kunin	400
The Chronic Mononucleosis Syndrome	Stephen E. Straus	405
Cachectin: A Hormone that Triggers Acute Shock and Chronic Cachexia	Kevin J. Tracey, Stephen F. Lowry, and Anthony Cerami	413
Host-Parasite Interaction in the Urinary Tract	C. Svanborg Edén, S. Hausson, U. Jodal, G. Lidin-Janson, K. Lincoln, H. Linder, H. Lomberg, P. de Man, S. Mårild, J. Martinell, K. Plos, T. Sandberg, and K. Stenqvist	421

AIDS Commentary

Azidothymidine	Martin S. Hirsch	427

Perspective

Nomenclature for *Pneumocystis carinii*	Walter T. Hughes and Francis Gigliotti	432

Original Articles

Evidence for a High Attack Rate and Efficacy of Erythromycin Prophylaxis in a Pertussis Outbreak in a Facility for the Developmentally Disabled	Richard W. Steketee, Steven G. F. Wassilak, William N. Adkins, Jr., Don G. Burstyn, Charles R. Manclark, Jeffrey Berg, Daniel Hopfensperger, Wendy L. Schell, and Jeffrey P. Davis	434
A Comparison of Laboratory and Clinical Methods for Diagnosing Pertussis in an Outbreak in a Facility for the Developmentally Disabled	Richard W. Steketee, Don G. Burstyn, Steven G. F. Wassilak, William N. Adkins, Jr., Marcia B. Polyak, Jeffrey P. Davis, and Charles R. Manclark	441
Epidemiology of Rob β-Lactamase Among Ampicillin-Resistant *Haemophilus influenzae* Isolates in the United States	Robert S. Daum, Michael Murphey-Corb, Emmanuel Shapira, and Susana Dipp	450
Influence of Granulocytes on Brain Edema, Intracranial Pressure, and Cerebrospinal Fluid Concentrations of Lactate and Protein in Experimental Meningitis	Martin G. Täuber, Urs Borschberg, and Merle A. Sande	456
Restriction Endonuclease Analysis of the Genome of *Campiyobacter pylori* with a Rapid Extraction Method: Evidence for Considerable Genomic Variation	Suzanne I. H. Majewski and C. Stewart Goodwin	465
Experimental *Campylobacter jejuni* Infection in Humans	Robert E. Black, Myron M. Levine, Mary Lou Clements, Timothy P. Hughes, and Martin J. Blaser	472
Failure of Dexamethasone to Prevent Polymorphonuclear Leukocyte Infiltration During Experimental Acute Exudative Pyelonephritis and to Reduce Subsequent Chronic Scarring	Pascal R. Meylan and Michel P. Glauser	480
Comparison of Molecular Methods for Subtyping Patients' and Epidemiologically Linked Environmental Isolates of *Legionella pneumophila*	Janet E. Stout, Jean Joly, Michael Para, Joseph Plouffe, Carol Ciesielski, Martin J. Blaser, and Victor L. Yu	486
Monoclonal Antibody Reactivity as a Virulence Marker for *Legionella pneumophila* Serogroup 1 Strains	Eric Dournon, William F. Bibb, Premavathy Rajagopalan, Nicole Desplaces, and Roger M. McKinney	496
Vancomycin and the Red-Man Syndrome: Pharmacodynamics of Histamine Release	Ron E. Polk, Daniel P. Healy, Lawrence B. Schwartz, David T. Rock, Michelle L. Garson, and Ken Roller	502
Bidirectional Interactions Between Human Immunodeficiency Virus Type 1 and Cytomegalovirus	Paul R. Skolnik, Barry R. Kosloff, and Martin S. Hirsch	508
A Multivariate Analysis of the Risk of Cytomegalovirus Infection in Heart Transplant Recipients	Margaret J. Gorensek, Robert W. Stewart, Thomas F. Keys, Martin C. McHenry, and Marlene Goormastic	515
The Risk of Cytomegalovirus Infection in Seronegative Transfusion Recipients not Receiving Exogenous Immunosuppression	Jutta K. Preiksaitis, Lynda Brown, and Margaret McKenzie	523

Praziquantel Pharmacokinetics and Side Effects in *Schistosoma japonicum*-Infected Patients with Liver Disease	George Watt, Nick J. White, Laurena Padre, Wolfgang Ritter, Marcelino T. Fernando, Catherine P. Ranoa, and Larry W. Laughlin	530
Onchocerciasis and Immunity in Humans: Enhanced T Cell Responsiveness to Parasite Antigen in Putatively Immune Individuals	D. J. Ward, T. B. Nutman, G. Zea-Flores, C. Portocarrero, A. Lujans, and E. A. Ottesen	536
Immunologic Correlates of the Hyperresponsive Syndrome of Loiasis	Thomas B. Nutman, Whitney Reese, Robert W. Poindexter, and Eric A. Ottesen	544
Seroepidemiology of *Cryptosporidium* Infection in Two Latin American Populations	Beth L. P. Ungar, Robert H. Gilman, Claudio F. Lanata, and Irene Perez-Schael	551
Modulation of Enterotoxin Binding and Function in Vitro and in Vivo	Sam T. Donta, Patricia Damiano-Burbach, and Nancy J. Poindexter	557
Concise Clinical and Laboratory Communications		
Serial Quantitation of Endotoxemia and Bacteremia During Therapy for Gram-Negative Bacterial Sepsis	Jerry L. Shenep, Patricia M. Flynn, Frederick F. Barrett, Gregory L. Stidham, and David F. Westenkirchner	565
Treatment of Cytomegalovirus Retinitis with Trisodium Phosphonoformate Hexahydrate (Foscarnet)	Sharon L. Walmsley, Emily Chew, Stanley E. Read, Hillar Vellend, Irving Salit, Anita Rachlis, and Mary M. Fanning	569
Diagnosis and Evaluation of Treatment of Chronic Strongyloidiasis in Ex-Prisoners of War	Lawrence L. Pelletier, Jr., Cynthia B. Baker, Albert A. Gam, Thomas B. Nutman, and Franklin A. Neva	573
Immunosuppressive Properties of the Soluble Toxin from *Mycobacterium ulcerans*	Meade Pimsler, Todd A. Sponsler, and Wayne M. Meyers	577
Pyrimethamine Concentrations in Serum and Cerebrospinal Fluid During Treatment of Acute Toxoplasma Encephalitis in Patients with AIDS	Louis M. Weiss, Carol Harris, Marc Berger, Herbert B. Tanowitz, and Murray Wittner	580
Plasmodium falciparum sequestration: OKM5 Antigen (CD36) Mediates Cytoadherence of Parasitized Erythrocytes to a Myelomonocytic Cell Line	Christian F. Ockenhouse and Jeffrey D. Chulay	584
A Double-Blind, Placebo-Controlled Trial of the Effect of Chronically Administered Oral Acylovir on Sperm Production in Men with Frequently Recurrent Genital Herpes	John M. Douglas, Jr., L. Gray Davis, Michael L. Remington, C. Alvin Paulsen, Edward B. Perrin, Phyllis Goodman, James D. Conner, Dannie King, and Lawrence Corey	588
Use of *Pneumocystis carinii* Genomic DNA Clones for DNA Hybridization Analysis of Infected Human Lungs	Kiyokatsu Tanabe, Masako Fuchimoto, Kohji Egawa, and Yoshikazu Nakamura	593
Correspondence		
Disseminated Herpes Simplex Type 2 and Systemic *Candida* Infection in a Patient with Previous Asymptomatic Human Immunodeficiency Virus Infection	W. Zimmerli, L. Bianchi, F. Gudat, H. Spichtin, P. Erb, M. von Planta, and P. U. Heitz	597

Actinobacillus actinomycetemcomitans and Endocarditis — Karl G. Kristinsson, Gudmundur Thorgeirsson, and W. Peter Holbrook — 599

A Dilute Solution of Vancomycin and Heparin Retains Antibacterial and Anticoagulant Activities — Kelly J. Henrickson, Keith R. Powell, and Cindy L. Schwartz — 600

IgM, IgG, and IgA Antibodies in *Yersinia* Infection — Kaisa Granfors, Riitta Lahesmaa-Rantala, and Auli Toivanen — 601

Detection and Treatment of Infections Caused by *Staphylococcus aureus* Resistant to Penicillinase-Resistant Penicillins — John M. Boyce, Antone A. Medeiros, and David Rimland — 602

Reply — Mark W. Kline, Edward O. Mason, Jr., and Sheldon L. Kaplan — 604

Lassa Fever Virus in Senegal — J. F. Saluzzo, F. Adam, J. B. McCormick, and J. P. Digouette — 605

Gummatous Syphilis: A Reminder — Samuel Rodriguez, Douglas L. Teich, Michael D. Weinman, Jerry M. Greene, Mark A. Keroack, and Michael D. Apstein — 606

Risk of Pertussis-Infected Adults Infecting Newborn Children — W. O. Williams — 607

Reply — Gunnar Granström, Göran Sterner, Carl-Erik Nord, and Marta Granström — 608

Phenotypes for Group-Specific Component Among Patients Exposed to Human Immunodeficiency Virus by Transfusions — George F. Gjerset, Girish N. Vyas, Ramesh Bhat, Eva A. Operskalski, and the Transfusion Safety Study Group — 609

Revaccination of Previously Vaccinated Siblings of Children with Measles During an Outbreak — David G. Addiss, Jeffrey L. Berg, and Jeffrey P. Davis — 610

Group G Streptococcal Bacteremia and Parenteral Drug Abusers — Alexander A. McMeeking and Robert S. Holzman — 612

Erratum

(1987;**156**:828–830) — 614

Volume 157 • *April 1988* • *Number 4*

CONTENTS

Annual Meeting Presentation

Determinants of Morbidity and Mortality Due to Acute Respiratory Infections: Implications for Intervention — Thelma E. Tupasi, Melecia A. Velmonte, Maria Elinor G. Sanvictores, Leticia Abraham, Lilian E. De Leon, Susan A. Tan, Cynthia A. Miguel, and Mediadora C. Saniel — 615

AIDS Commentary

Cryptococcal Meningitis in Patients with AIDS — William E. Dismukes — 624

Perspective

Diagnosis of *Pneumocystis carinii* Pneumonia	Peter D. Walzer	629

Original Articles

Acute Respiratory Illness Among Immunized and Nonimmunized Patients with High-Risk Factors During a Split Season of Influenza A and B	William S. Paul, James Cowan, and George Gee Jackson	633
Strain-Specific Serum Antibody Responses in Infants Undergoing Primary Infection with Respiratory Syncytial Virus	R. Michael Hendry, Jane C. Burns, Edward E. Walsh, Barney S. Graham, Peter F. Wright, Val G. Hemming, William J. Rodriguez, Hyun W. Kim, Gregory A. Prince, Kenneth McIntosh, Robert M. Chanock, and Brian R. Murphy	640
Intranasal Immunization of Hamsters with Envelope Glycoproteins of Human Parainfluenza Virus Type 3	Ranjit Ray, Brenda J. Glaze, Zina Moldoveanu, and Richard W. Compans	648
Attentuation of Bovine Parainfluenza Virus Type 3 in Nonhuman Primates and Its Ability to Confer Immunity to Human Parainfluenza Virus Type 3 Challenge	Kathleen L. van Wyke Coelingh, Christine C. Winter, Eveline L. Tierney, William T. London, and Brian R. Murphy	655
Risk of Adverse Outcomes of Pregnancy After Human Parvovirus B19 Infection	Janet S. Kinney, Larry J. Anderson, Jeffrey Farrar, Raymond A. Strikas, Mary L. Kumar, Robert M. Kliegman, John L. Sever, Eugene S. Hurwitz, and R. Keith Sikes	663
Molecular Epidemiology of Rotavirus Infection in a Room for Convalescing Newborns	Pablo A. Vial, Karen L. Kotloff, and Genevieve A. Losonsky	668
Neutrophil Adhesive Dysfunction in Thermal Injury: The Role of Fibronectin	John A. Marino, Robert L. Gerding, Richard B. Fratianne, and Philip J. Spagnuolo	674
Effect of Ethanol on Functions Required for the Delivery of Neutrophils to Sites of Inflammation	Rob Roy MacGregor, Monica Safford, and Meir Shalit	682
Lipopolysaccharide Releases a Priming Substance from Platelets that Augments the Oxidative Response of Polymorphonuclear Neutrophils to Chemotactic Peptide	George G. Wright, Paul W. Read, and Gerald L. Mandell	690
Analysis of C3 Deposition and Degradation on Bacterial Surfaces After Opsonization	David L. Gordon, Jane Rice, John J. Finlay-Jones, Peter J. McDonald, and Margaret K. Hostetter	697
Circulating and Storage Neutrophils in Septic Neonatal Rats Treated with Immune Globulin	Hans Redd, Robert D. Christensen, and Gerald W. Fischer	705
Isolation and Characterization of a Capsular Polysaccharide Adhesin from *Staphylococcus epidermidis*	Masahiro Tojo, Naoya Yamashita, Donald A. Goldmann, and Gerald B. Pier	713
Purified Capsular Polysaccharide-Induced Immunity to *Staphylococcus aureus* Infection	Jean C. Lee, Norma E. Perez, Cheryl A. Hopkins, and Gerald B. Pier	723
Differences in Reactogenicity and Antigenicity of Acellular and Standard Pertussis Vaccines Combined with Diphtheria and Tetanus in Infants	Edwin L. Anderson, Robert B. Belshe, and Julie Bartram	731

Use of Synthetic Peptides to Map Antigenic Sites of *Bordetella pertussis* Toxin Subunit S1	P. Askelöf, K. Rodmalm, J. Abens, A. Undén, and T. Bartfai	738
Development of Resistance in *Pseudomonas aeruginosa* to Imipenem, Norfloxacin, and Ciprofloxacin During Therapy: Proof Provided by Typing with a DNA Probe	John W. Ogle, L. Barth Reller, and Michael L. Vasil	743
Staphylococcus aureus Induces Tissue Factor Expression in Cultured Human Cardiac Valve Endothelium	Thomas A. Drake and Mabel Pang	749
Phenotypic Selection of Small-Colony Variant Forms of *Staphylococcus epidermidis* in the Rat Model of Endocarditis	Larry M. Baddour, W. Andrew Simpson, J. John Wiens, Jr., Michelle M. Hill, and Gordon D. Christensen	757
Serious Infections Due to Penicillin-Resistant Strains of Viridans Streptococci with Altered Penicillin-Binding Proteins	John P. Quinn, Cathy A. DiVincenzo, David A. Lucks, Roberta L. Lunkin, Kari L. Shatzer, and Stephen A. Lerner	764
Comparison of Synthetic Antigens for Detecting Antibodies to Phenolic Glycolipid I in Patients with Leprosy and Their Household Contacts	Suzanne Chanteau, Jean-Louis Cartel, Jean Roux, Régis Plichart, and Marie-Ann Bach	770
Effect of Age on the Frequency of Active *Campylobacter pylori* Infection Diagnosed by the [^{13}C]Urea Breath Test in Normal Subjects and Patients with Peptic Ulcer Disease	David Y. Graham, Peter D. Klein, Antone R. Opekun, and Thomas W. Boutton	777
Markers of Cell-Mediated Immunity After Vaccination with an Inactivated, Whole-Cell Q Fever Vaccine	A. A. Izzo, B. P. Marmion, and D. A. Worswick	781
Comparison of Immunoblotting and Indirect Enzyme-Linked Immunosorbent Assay Using Different Antigen Preparations for Diagnosing Early Lyme Disease	Robert L. Grodzicki and Allen C. Steere	790
Acute Antibody Responses to *Giardia lamblia* are Depressed in Patients with AIDS	Edward N. Janoff, Phillip D. Smith, and Martin J. Blaser	798
Antibody Responses in Early Human Immunodeficiency Virus Type 1 Infection in Hemophiliacs	Min-Ji Chou, Tun-Hou Lee, Angelos Hatzakis, Titika Mandalaki, Mary Fran McLane, and M. Essex	805

Concise Clinical and Laboratory Communications

Simultaneous Detection of Antibody to the Human Immunodeficiency Virus and of the Surface Antigen of Hepatitis B Virus in Human Serum	Richard S. Smith, Sharyn B. Viel, Stella S. Fong, D. Elliot Parks, Sam Westrick, and Douglas D. Richman	812
Antiviral Response to Herpes Simplex Virus Type I in Latent and Active Infection	Julio Santiago and Beatriz Gomez	817
Prevention of Transfusion-Associated Cytomegalovirus (CMV) Infection in Neonates by Screening Blood Donors for IgM to CMV	Harold V. Lamberson, Jr., Julia A. McMillan, Leonard B. Weiner, Margaret L. Williams, David A. Clark, Cheryl A. McMahon, Ellyn B. Lentz, Anne Patti Higgins, and Nancy L. Dock	820
Splenomegaly in Asymptomatic Hepatitis B Surface Antigen Carriers	Hideyuki Nomura, Seizaburo Kashiwagi, Jun Hayashi, Wataru Kajiyama, Hideyuki Ikematsu, and Akinori Noguchi	823
Use of Light Microscopy to Diagnose Small-Intestinal Microsporidiosis in Patients with AIDS	A. C. Rijpstra, E. U. Canning, R. J. Van Ketel, J. K. M. Eeftinck Schattenkerk, and J. J. Laarman	827

Occurrence of Arthralgia and Specific IgM Antibodies Three to Four Years After Ockelbo Disease — Bo Niklasson, Äke Espmark, and Jan Lundström — 832

Monovalent Neonatal Polio Immunization—A Strategy for the Developing World — Barry D. Schoub, Sylvia Johnson, Jo McAnerney, Linda Gilbertson, Katalina I. M. Klaassen, and Stephanus G. Reinach — 836

The Rapid Diagnosis of Leptospirosis: A Prospective Comparison of the Dot Enzyme-Linked Immunosorbent Assay and the Genus-Specific Microscopic Agglutination Test at Different Stages of Illness — George Watt, Lily M. Alquiza, Laurena P. Padre, Maria Linda Tuazon, and Larry W. Laughlin — 840

Experimental Lyme Arthritis in Rats Infected with *Borrelia burgdorferi* — Stephen W. Barthold, Kathleen D. Moody, Gordon A. Terwilliger, Paul H. Duray, Robert O. Jacoby, and Allen C. Steere — 842

A Food-Borne Outbreak of *Giardia lamblia* — Lyle R. Petersen, Matthew L. Cartter, and James L. Hadler — 846

Correspondence

Shiga Toxin Inhibits the Anti-Invasive Effect of Interferons — Geir Bukholm and Miklos Degré — 849

Demonstration of Plasmids in *Campylobacter pylori* — S. S. Penfold, A. J. Lastovica, and B. G. Elisha — 850

Natural Killer Cell Activity as a Prognostic Parameter in the Progression to AIDS — R. Voth, S. Rossol, E. Gräff, H. P. Laubenstein, H. C. Schröder, W. E. G. Müller, K. H. Meyer zum Büschenfelde, and G. Hess — 851

An Open Study of the Efficacy of a Single Dose of Ciprofloxacin in Eliminating the Chronic Nasopharyngeal Carriage of *Neisseria meningitidis* — Mary P. Pugsley, David L. Dworzack, Jane S. Roccaforte, Christine C. Sanders, Johan S. Bakken, and W. Eugene Sanders, Jr. — 852

Clostridium tertium Bacteremia in a Patient with Aspiration Pneumonia: An Elusive Diagnosis — James R. Johnson and Fred C. Tenover — 854

Erratum — 856

(1988;157:206–7)

Notices — 857

Volume 157 • *May 1988* • *Number 5*

CONTENTS

AIDS Commentary

Mycobacterium avium Complex Infection — Lowell S. Young — 863

From the Infectious Diseases Society of America

Selection of a New Editor for the *Reviews of Infectious Diseases* — 868

Guidelines for Improving the Use of Antimicrobial Agents in Hospitals: A Statement by the Infectious Diseases Society of America	J. Joseph Marr, Hugh L. Moffet, and Calvin M. Kunin	869
Perspective		
Immunology of the Varicella-Zoster Virus Glycoproteins	Charles Grose and Virginia Litwin	877
Original Articles		
Western Blot Analysis of Antibody to Varicella-Zoster Virus	Lon Dubey, Sharon P. Steinberg, Philip LaRussa, Philip Oh, and Anne A. Gershon	882
Characterization of T Lymphocyte Responses During Primary Infection with Human Immunodeficiency Virus	David A. Cooper, Brett Tindall, Eileen J. Wilson, Allison A. Imrie, and Ronald Penny	889
Efficacy of Recombinant Glycoprotein D Subunit Vaccines on the Development of Primary, Recurrent, and Latent Genital Infections with Herpes Simplex Virus Type 2 in Guinea Pigs	Phillip W. Berman, Peggy E. Vogt, Timothy Gregory, Laurence A. Lasky, and Earl R. Kern	897
Recognition of *Treponema pallidum* Antigens by IgM and IgG antibodies in Congenitally Infected Newborns and Their Mothers	Simon R. M. Dobson, Larry H. Taber, and Robert E. Baughn	903
Isolation of *Mycoplasma pneumoniae* from Children with Lower-Respiratory-Tract Infections	Yoko Nagayama, Nobukiyo Sakurai, Koshi Yamamoto, Akihito Honda, Masahiro Makuta, and Reiko Suzuki	911
Specific Antibodies Detected During Relapse of Human Brucellosis	T. Pellicer, J. Ariza, A. Foz, R. Pallares, and F. Gudiol	918
Diminished Activity of Protein Kinase C in Tetanus Toxin-Treated Macrophages and in the Spinal Cord of Mice Manifesting Generalized Tetanus Intoxication	John L. Ho and Mark S. Klempner	925
Serum IgG Antibody to Outer Membrane Antigens of *Pseudomonas cepacia* and *Pseudomonas aeruginosa* in Cystic Fibrosis	Stephen C. Aronoff and Robert C. Stern	934
Antigen-Specific Production of Colony-Stimulating Factors by *Listeria monocytogenes*-Immune, L3T4-Positive Cells	D. Mitchell Magee and Edward J. Wing	941
Intragastric Colonization of Infant Mice with *Candida albicans* Induces Systemic Immunity Demonstrable upon Challenge as Adults	Judith E. Domer	950
Nonsteroidal Anti-Inflammatory Drugs Correct the Bactericidal Defect of Polymorphonuclear Leukocytes in a Guinea Pig Model of Thermal Injury	Ann B. Bjornson, Robert W. Knippenberg, and H. Stephen Bjornson	959
Spontaneously Proliferating Human B Lymphocytes Make Autoantibodies	Graham P. Allaway, Javaraiah Srinivasappa, Frederick W. Miller, Bellur S. Prabhakar, and Abner Louis Notkins	968
Immunotherapy for Intracellular *Leishmania donovani* Infection: γ Interferon Plus Pentavalent Antimony	Henry W. Murray, Jonathan D. Berman, and Samuel D. Wright	973

Production of γ Interferon by Cultured Human Lymphocytes Stimulated with a Purified Membrane Protein (P30) from *Toxoplasma gondii*	Imtiaz A. Kahn, Matthew E. Eckel, E. R. Pfefferkorn, and Lloyd H. Kasper	979
Distribution of Pentamidine in Patients with AIDS	Harrison Donnelly, Edward M. Bernard, Hedwig Rothkotter, Jonathan W. M. Gold, and Donald Armstrong	985
Predictors of Endocarditis in Isolates from Cultures of Blood Following Dental Extractions in Rats with Periodontal Disease	P. Moreillon, C. D. Overholser, R. Malinverni, J. Bille, and M. P. Glauser	990
A Nosocomial Outbreak of *Branhamella catarrhalis* Confirmed by Restriction Endonuclease Analysis	Thomas F. Patterson, Jan Evans Patterson, Barbara L. Masecar, Gertrude E. Barden, Walter J. Hierholzer, Jr., and Marcus J. Zervos	996
A Nosocomial Outbreak of Ampicillin-Resistant *Haemophilus influenzae* Type b in a Geriatric Unit	Jan Evans Patterson, Gayle M. Madden, Edward P. Krisiunas, Barbara Masecar, Walter J. Hierholzer, Jr., Marcus J. Zervos, and Robert W. Lyons	1002
Travelers' Diarrhea in West Africa and Mexico: Fecal Transport Systems and Liquid Bismuth Subsalicylate for Self-Therapy	Robert Steffen, John J. Mathewson, Charles D. Ericsson, Herbert L. DuPont, Andrée Helminger, Timothy K. Balm, Knut Wolff, and Felix Witassek	1008
Prevalence of Antibodies to Rotavirus in Different Age-Groups of Infants in Bochum, West Germany	Harald Brüssow, Hermann Werchau, Wolfgang Liedtke, Lothar Lerner, Carl Mietens, Josette Sidoti, and Jan Sotek	1014
Pathogenesis of Shigella Diarrhea: Evidence for a Developmentally Regulated Glycolipid Receptor for Shigella Toxin Involved in the Fluid Secretory Response of Rabbit Small Intestine	Munir Mobassaleh, Arthur Donohue-Rolfe, Mary Jacewicz, Richard J. Grand, and Gerald T. Keusch	1023
Comparison of Translocation Rates of Various Indigenous Bacteria from the Gastrointestinal Tract to the Mesenteric Lymph Node	Earl K. Steffen, Rodney D. Berg, and Edwin A. Deitch	1032
Use of an Enzyme Immunoassay to Detect Serum IgG Antibodies to *Haemophilus ducreyi*	Kavuka Museyi, Eddy Van Dyck, Tony Vervoort, David Taylor, Charles Hoge, and Peter Piot	1039

Concise Clinical and Laboratory Communications

Survival Patterns of the First 500 Patients with AIDS in San Francisco	Peter Bacchetti, Dennis Osmond, Richard E. Chaisson, Selma Dritz, George W. Rutherford, Louise Swig, and Andrew R. Moss	1044
Use of a Sensitive Neutralization Assay to Measure the Prevalence of Antibodies to the Human Immunodeficiency Virus	Luba K. Vujcic, David H. Shepp, Michael Klutch, Martha A. Wells, R. Michael Hendry, Alec E. Wittek, Leonard Krilov, and Gerald V. Quinnan, Jr.	1047

Evaluation of a DNA Probe for Identifying *Salmonella typhi* in Peruvian and Indonesian Bacterial Isolates	F. A. Rubin, D. J. Kopecko, R. B. Sack, P. Sudarmono, A. Yi, D. Maurta, R. Meza, M. A. Moechtar, D. C. Edman, and S. L. Hoffman	1051
Epidemiology of Sporadic Diarrhea Due to Verocytotoxin-Producing *Escherichia coli*: A Two-Year Prospective Study	Chick H. Pai, Nimet Ahmed, Hermy Lior, Wendy M. Johnson, Harry V. Sims, and Donald E. Woods	1054
Effect of Hyperbaric Oxygenation, Combined with Antimicrobial Agents and Surgery, in a Rat Model of Intraabdominal Infection	Kenneth H. Muhvich, Roy A. M. Myers, and Louis Marzella	1058
Relation of Endogenous Interferon and High Levels of 2′–5′ Oligoadenylate Synthetase in Leukocytes from Patients with Argentine Hemorrhagic Fever	D. Ferbus, M. C. Saavedra, S. Levis, J. Maiztegui, and R. Falcoff	1061
Meningococcemia in Identical Twins: Changes in Serum Susceptibility After Rifampin Chemoprophylaxis	David I. Levy, Carlos del Rio, and David S. Stephens	1064
Serum Antibodies to Lipopolysaccharide and Natural Immunity to Shigellosis in an Israeli Military Population	Dani Cohen, Manfred S. Green, Colin Block, Tsvi Rouach, and Itzhak Ofek	1068
Increased Epstein-Barr Virus DNA in Oropharyngeal Secretions from Patients with AIDS, AIDS-Related Complex, or Asymptomatic Human Immunodeficiency Virus Infections	Gregory R. Alsip, Yasmin Ench, Ciro V. Sumaya, and Richard N. Boswell	1072
Recombinant Fibroblast Interferon and Immune Interferon for Treating Chronic Hepatitis B Virus Infection: Patients' Tolerance and the Effect on Viral Markers	Jack Bissett, Mark Eisenberg, Peter Gregory, William S. Robinson, and Thomas C. Merigan	1076
A Prospective Molecular Epidemiological Study of Cytomegalovirus Infections in Two Day Care Centers in Sweden: No Evidence for Horizontal Transmission Within the Centers	Lena Grillner and Kathrine Strangert	1080
The Cardiac Glycoside Digoxin Does Not Alter the Activity of Human Polymorphonuclear Leukocytes in Vitro	Anthony L. Esposito, Carolyn A. Clark, and William J. Poirier	1084
Pharmacokinetics of Nafcillin in Obesity	Jae Yuk, Charles H. Nightingale, Kevin Sweeney, Robert E. Levitz, and Richard Quintiliani	1088

Correspondence

Herpesvirus Simiae (B Virus) Infection in Monkey Handlers	Jonathan E. Kaplan	1090
Chronic Meningitis Caused by *Listeria* in a Patient Infected with Human Immunodeficiency Virus	Roger L. Harvey and P. H. Chandrasekar	1091
Trichomonas Gastritis in Rhesus Monkeys Infected with the Simian Immunodeficiency Virus	James L. Blanchard and Gary B. Baskin	1092
The Complement System in Mediterranean Spotted Fever	J. Ignacio Herrero-Herrero, Ricardo Ruiz-Beltran, and Javier Batlle-Forondona	1093
A Multiple-Strain Outbreak of Campylobacter Enteritis Due to Consumption of Inadequately Pasteurized Milk	Guthrie Birkhead, Richard L. Vogt, Elizabeth Heun, Christine M. Evelti, and Charlotte M. Patton	1095

A New Method for Identifying *Campylobacter* spp. — Danièle Chevrier, Francis Mégraud, Daniel Larzul, and Jean-Luc Guesdon — 1097

Tn5 Transposon Mutagenesis of *Pseudomonas cepacia* by an IncW Suicide Vector — Kenneth A. Pidcock and Terrence L. Stull — 1098

Platelet Dysfunction and Bleeding Associated with β-Lactam Antibiotics — Orlando J. Martelo and Joseph E. Palascak — 1100

Reply — Robert J. Fass — 1100

From the National Institutes of Health

Summary of the International Symposium and Workshop on Infections Due to Verocytotoxin (Shiga-Like Toxin)-Producing *Escherichia coli* — Robert Edelman, Mohamed A. Karmali, and Peter A. Fleming — 1102

From the World Health Organization

Current Approaches to the Development of Dengue Vaccines and Related Aspects of the Molecular Biology of Flaviviruses — Walter E. Brandt — 1105

Erratum

(1988;157:199–202) — 1112

Notices — 1113

Volume 157 • *June 1988* • *Number 6*

CONTENTS

AIDS Commentary

Pneumocystis carinii Pneumonia: Diagnosis — Philip C. Hopewell — 1115

Perspective

Molecular Evolution of Pathogenic *Escherichia coli* — James R. Lupski and Ralph D. Feigin — 1120

Original Articles

Genetic Evidence of Clonal Descent of *Escherichia coli* O157:H7 Associated with Hemorrhagic Colitis and Hemolytic Uremic Syndrome — Thomas S. Whittam, I. Kaye Wachsmuth, and Richard A. Wilson — 1124

Risk Factors for Community- and Household-Acquired Pertussis During a Large-Scale Outbreak in Central Wisconsin — Robin J. Biellik, Peter A. Patriarca, John R. Mullen, Elizabeth Z. Rovira, Edward W. Brink, Paul Mitchell, Gurdon H. Hamilton, Bradley J. Sullivan, and Jeffrey P. Davis — 1134

Genes Associated with the G2m(23) Immunoglobulin Allotype Regulate the IgG Subclass Responses to *Haemophilus influenzae* Type b Polysaccharide Vaccine — Dan M. Granoff, Brian K. Suarez, Janardan P. Pandey, and Penelope G. Shackelford — 1142

Penicillin Resistance and Defective Lysis in Clinical Isolates of Pneumococci: Evidence for Two Kinds of Antibiotic Pressure Operating in the Clinical Environment	Philippe Moreillon and Alexander Tomasz	1150
Food-Borne Botulism in Alaska, 1947–1985: Epidemiology and Clinical Findings	Robert B. Wainwright, William L. Heyward, John P. Middaugh, Charles L. Hatheway, Annette P. Harpster, and Thomas R. Bender	1158
Clinical and Microbiological Features of Infection with *Malassezia pachydermatis* in High-Risk Infants	Patricia A. Mickelsen, Mary C. Viano-Paulson, David A. Stevens, and Pamela S. Diaz	1163
Transmission of Genital Herpes in Couples with One Symptomatic and One Asymptomatic Partner: A Prospective Study	Gregory J. Mertz, Robert W. Coombs, Rhoda Ashley, John Jourden, Michael Remington, Carol Winter, Anita Fahnlander, Mary Guinan, Hanna Ducey, and Lawrence Corey	1169
Antibody to Herpes Simplex Virus (HSV) ICP-35 Proteins After HSV Challenge of Animals Immunized with HSV Subunit Vaccines	David I. Bernstein, Lawrence R. Stanberry, John C. Kappes, Rae Lyn Burke, and Martin G. Myers	1178
Use of Interleukin-2 and Macrophages to Treat Herpes Simplex Virus Infection in Neonatal mice	Steve Kohl and Lian Sim Loo	1187
Increased Macrophage Division in the Synovial Fluid of Goats Infected with Caprine Arthritis-Encephalitis Virus	Mark A. Jutila and Keith L. Banks	1193
Antigenic and Immunogenic Properties of a Hepatitis A Virus Capsid Protein Expressed in *Escherichia coli*	Jeffrey M. Johnston, Shirley A. Harmon, Leonard N. Binn, Oliver C. Richards, Ellie Ehrenfeld, and Donald F. Summers	1203
Use of Purified Parasite Proteins from *Leishmania donovani* for the Rapid Serodiagnosis of Visceral Leishmaniasis	Charles L. Jaffe and Mariano Zalis	1212
Use of Norfloxacin to Treat Chronic Typhoid Carriers	Eduardo Gotuzzo, Jorge G. Guerra, Luis Benavente, Juan C. Palomino, Carlos Carrillo, Julio Lopera, Freddy Delgado, David R. Nalin, and Jacobo Sabbaj	1221
Intrathecal Synthesis of Antibodies to Human T Lymphotropic Virus Type I and the Presence of IgG Oligoclonal Bands in the Cerebrospinal Fluid of Patients with Endemic Tropical Spastic Paraparesis	Antoine Gessain, Christiane Caudie, Olivier Gout, Jean-Claude Vernant, Laurent Maurs, Christian Giordano, Glen Malone, E. Tournier-Lasserve, Max Essex, and Guy de-Thé	1226
Concise Clinical and Laboratory Communications		
Efficacy of Ciprofloxacin in the Treatment of Chronic Typhoid Carriers	Catterine Ferreccio, J. Glenn Morris, Jr., Carmen Valdivieso, Ingeborg Prenzel, Viviana Sotomayor, George L. Drusano, and Myron M. Levine	1235
Efficacy of Five Years of Continuous, Low-Dose Trimethoprim-Sulfamethoxazole Prophylaxis for Urinary Tract Infection	Lindsay E. Nicolle, Godfrey K. M. Harding, Margaret Thomson, James Kennedy, Barbara Urias, and Allan R. Ronald	1239

Antibody Responses of Black Children to *Haemophilus influenzae* Type b Polysaccharide–*Neisseria meningitidis* Outer-Membrane Protein Conjugate Vaccine in Relation to the Km(1) Allotype	Allen A. Lenoir, Janardan P. Pandey, and Dan M. Granoff	1242
Follow-Up Study of Individuals with Untreated *Campylobacter pylori*–Associated Gastritis and of Noninfected Persons with Non-Ulcer Dyspepsia	Wies Langenberg, Erik A. J. Rauws, Hendrik J. Houthoff, Jo H. Oudbier, Charles G. van Bohemen, G. N. J. Tytgat, and P. J. G. M. Rietra	1245
Diagnosis of *Chlamydia trachomatis* in Biopsied Tissue Specimens by Using in Situ DNA Hybridization	Janet E. Horn, Elizabeth W. Kappus, Stanley Falkow, and Thomas C. Quinn	1249
Interaction of *Candida albicans* with Genital Mucosal Surfaces: Involvement of Fibronectin in Adherence	Aliza Kalo, Esther Segal, Elhanan Sahar, and Dan Dayan	1253
Killing of *Giardia lamblia* Trophozoites by Human Intestinal Fluid in Vitro	Siddhartha Das, David S. Reiner, John Zenian, Daniel L. Hogan, Michael A. Koss, Chi-Sun Wang, and Frances D. Gillin	1257
Antibody-Dependent Cellular Cytotoxicity Specific for the Envelope Antigens of Human Immunodeficiency Virus	David H. Shepp, Sekhar Chakrabarti, Bernard Moss, and Gerald V. Quinnan, Jr.	1260
Identification of the Antigenic Components of Hantaan Virus Reacting with Rabbit Antisera and Sera from Patients with Hemorrhagic Fever with Renal Syndrome	Long-Bang Chen and Lien-Jie Hao	1264
Prolonged Immunity After Late Booster Doses of Hepatitis B Vaccine	Wolfgang Jilg, Marion Schmidt, and Friedrich Deinhardt	1267
Correspondence		
Ricin Injection Eliminates Latent Herpes Simplex Virus in the Mouse	Masatoshi Hino, Tsuyoshi Sekizawa, and Harry Openshaw	1270
Characteristics of Human Herpesvirus-6	C. Lopez, P. Pellett, J. Stewart, C. Goldsmith, K. Sanderlin, J. Black, D. Warfield, and P. Feorino	1271
Hepatitis B Vaccination in High-Risk Workers	A. Milne	1274
Diarrhea-Associated Adenovirus from the Respiratory Tract	Barbara C. Jeffries, Carl D. Brandt, Hyun Wha Kim, William J. Rodriguez, Julita O. Arrobio, and Robert H. Parrott	1275
Further Characterization of the *Salmonella typhi* Ty21a Vaccine Strain	S. J. Cryz and E. Fürer	1276
Reply	Ana Berta Silva, Carlos Gonzalez, Guido Mora, and Felipe C. Cabello	1278
Polymyxin B in Gram-Negative Septicemia	Robert M. Bannatyne	1279
Acute Polyradiculoneuritis Associated with Typhoid Fever	Alain Fisch, Thierry Prazuck, Benoit Schlemmer, Ghislaine Leleu-Nahmias, and Christian Lafaix	1280
Successful Treatment of Gonococcal Endocarditis with Ceftriaxone	John R. Black, J. Mark Brint, and C. A. Reichart	1281

Prosthetic Hip Infection Caused by *Listeria monocytogenes* — Eduardo Arathoon, Stuart B. Goodman, and Kenneth L. Vosti — 1282

Notices — 1284

1987 Annual Meeting of the Infectious Diseases Society of America — 1285

Reviewers for Volume 157 — 1287

Index for Volume 157 — 1291